



# AMERICAN COATINGS

## EP SERIES EPOXY PHENOLIC

Chemical resistant Epoxy Phenolic tank linings for immersion service.

### GENERAL FEATURES

- HIGH PERFORMANCE TANK LINING
- SELF PRIMING
- EXCELLENT RESISTANCE TO ABRASION
- RESISTANT TO A WIDE RANGE OF CHEMICALS
- CAN BE FORCED CURED

### DESCRIPTION

American EP Series Epoxy Phenolic products are formulated for a tank-lining product that is both self priming and resistant to a very wide range of chemicals. EP Series Epoxy Phenolics can be applied to steel, galvanize, aluminum, and concrete surfaces.

### USES

American EP Series Epoxy Phenolic can be applied to the interior of piping, tanks, or vessels to protect carbon steel from a variety of chemicals. These products can also be used in select external applications that are so severe that normal conventional coatings will not perform properly.

Note: EP epoxy phenolic products are not light stable and are intended primarily for internal coating use. These products should always be topcoated within 24 hours @ 77°F and 55% relative humidity. For further resistance data see American EP Epoxy Phenolic chemical resistance chart.

### PRODUCTS

EP 8500 Green Epoxy Phenolic  
EP 8520 Gray Epoxy Phenolic  
EP 8510 White

### PHYSICAL DATA

Finish ----- Gloss  
Color ----- See products below  
Applied Over ----- Steel & Concrete  
Components ----- Two  
Cure ----- Catalytic 19:1

Volume Solids ± 2% ----- 70%

#### **Recommended Dry Film**

Thickness ----- 4 – 6 mils  
Number of Coats ----- Two  
Application Method ----- Conventional or Airless Spray  
Brush or roller

Thinning Required ----- 10 – 15% TH 760

Dry Time @ 77°F and 50% relative humidity.

Touch ----- 2 – 4 hours  
Through ----- 6 – 12 hours  
Topcoat ----- 12 – 24 hours

#### **\*Theoretical Coverage at:**

Recommended Thickness ----- 280 – 187 sq. ft/gal.

#### **Temperature Limit**

Immersed ----- 180°F  
Atmospheric ----- 250°F

#### **Miscellaneous Properties**

Shelf Life ----- 6 months  
Pot Life – mixed @ 77°F ----- 8 – 12 hours

### SURFACE PREPARATION:

#### **Steel**

Immersion Service ----- White Metal Sandblast  
(SSPC-SP5-63) (Sa3)

Non Immersion Service ----- Commercial Sandblast  
(SSPC-SP6-63) (Sa2)

**Concrete:** Chemical clean with TH 950 or sandblast to a 1 to 1.5 mil anchor profile.

\* Coverages are theoretical and do not make provision for spray losses.



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## EP Series

### APPLICATION INFORMATION

Do not apply temperatures below 40°F or humidities above 85%.

### APPLICATION METHOD

Conventional or Airless spray preferred. Brush or roller acceptable.

### MIXING

Thoroughly mix Part A resin with Part B (phenolic) catalyst using mechanical agitation.

### CLEAN-UP AND THINNING

Clean up and thin with TH760 thinner.

### SPRAY EQUIPMENT

#### FOR AIRLESS SPRAY

Pump Ratio ----- 30:1  
 Air Supply (in) ----- 100 psi  
 Hose Diameter (ID) ----- 1/4"  
 Hose Length ----- 100'  
 Tip Size ----- .019-.021  
 Atomization Pressure (psi) ----- 2,500

#### FOR CONVENTIONAL SPRAY

Spray Pot Dual Regulation  
 Air Gauges for Pot Pressure and Atomization Pressure  
 Air Supply (in) ----- 100 psi  
 Material Hose (ID) ----- 1/2"  
 Material Hose Length ----- 50'  
 Air Hose (ID) ----- 5/16"  
 Fluid Pressure (psi) ----- 25 – 50  
 Atomization Pressure (psi) ----- 70 – 100  
 Fluid Tip Orifice Size (in) ----- .086

### SAFETY INFORMATION

**WARNING! FLAMMABLE, HARMFUL IF INHALED, CAUSES IRRITATION**

Keep away from heat, sparks or flame. Vapors may cause flash fire. Use with adequate ventilation. Do not breathe vapors or spray mist. Wear an appropriate, properly fitted respirator during and after applications unless air monitoring demonstrates vapor/mist levels are below applicable limits. Avoid contact with eyes, skin, and clothing. Wash thoroughly after handling.

### SHIPPING DATA

Proper Shipping Name -----Paint Liquid  
 Hazard Class----- Flammable Liquid  
 Flash Pt. °F SETA ----- 50°F

UN No.-----1263

### PACKAGING

Shipping WT.	<u>PART A</u>	<u>PART B</u>
	Ones 10 lbs.	Pints .75 lbs.
	Fives 51.5 lbs.	Quart 2 lbs.

#### DISCLAIMER

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